

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-1S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-1S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

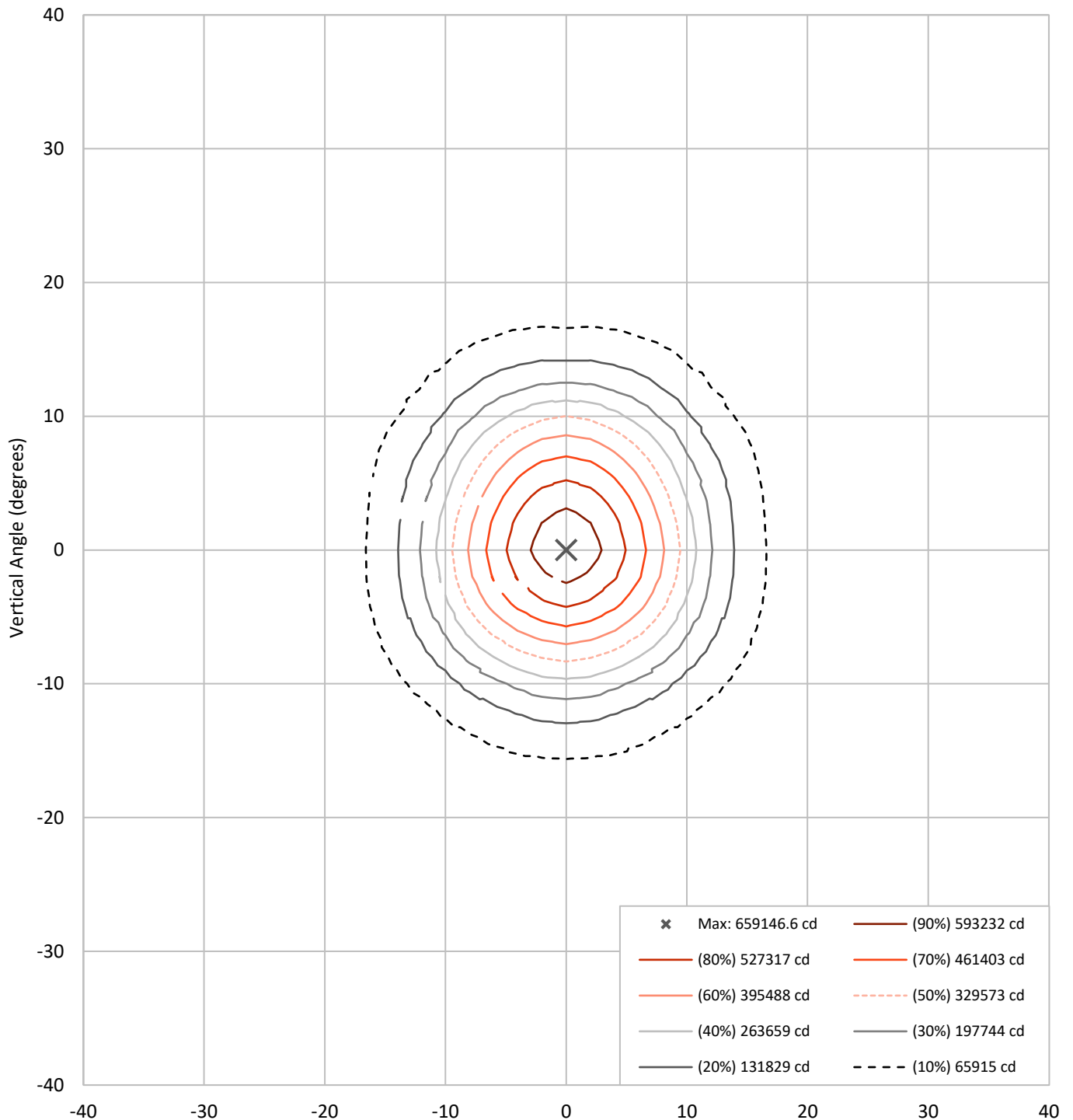
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79395.2 lumens	Max Intensity:	659146.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	109.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	37043.5 lumens	Field Lumens:	67281.1 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 724.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

Iso-Candela Plot





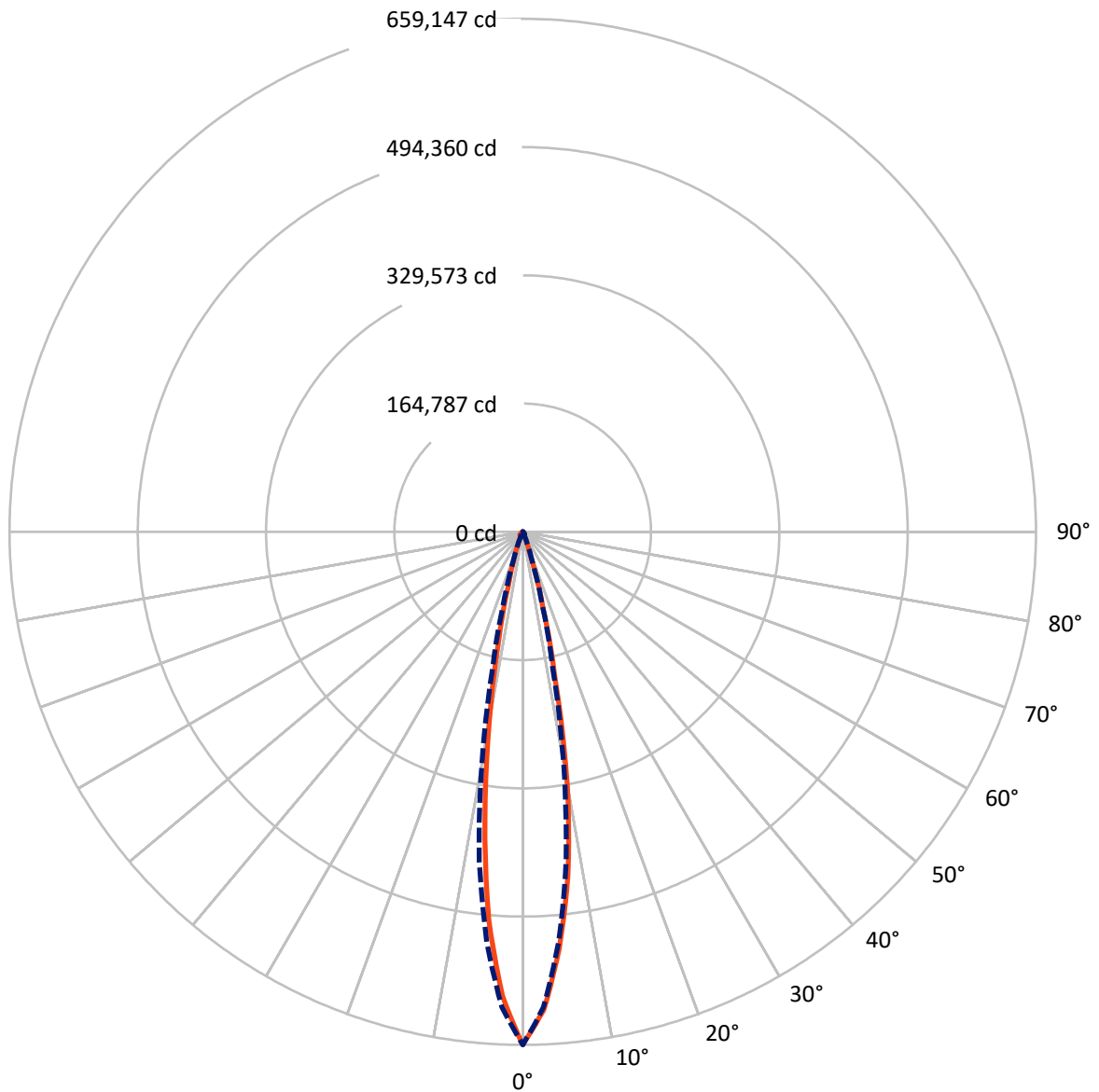
REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

Lumen Table

90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1	
50	0.2	0.2	0.5	0.4	0.6	0.9	1.3	1.0	1.0	1.3	0.9	0.6	0.4	0.5	0.2	0.2
40		0.3	0.9	2.2	4.4	6.3	9.0	11.1	11.1	9.0	6.3	4.4	2.2	0.9	0.3	
30	0.3	0.6	4.3	13.7	32.4	44.0	70.5	125.8	125.8	70.5	44.0	32.4	13.7	4.3	0.6	0.3
20		1.4	9.2	39.6	79.8	105.6	772.2	3111.8	3111.8	772.2	105.6	79.8	39.6	9.2	1.4	
10	0.4	2.1	11.8	53.4	88.7	194.0	2893.0	12493.5	12493.5	2893.0	194.0	88.7	53.4	11.8	2.1	0.4
0		2.7	12.5	52.5	88.6	188.4	2767.6	11573.6	11573.6	2767.6	188.4	88.6	52.5	12.5	2.7	
-10	0.6	3.1	12.0	42.0	81.7	103.1	616.4	2310.7	2310.7	616.4	103.1	81.7	42.0	12.0	3.1	0.6
-20		3.2	11.7	29.1	80.9	101.4	114.9	198.3	198.3	114.9	101.4	80.9	29.1	11.7	3.2	
-30	0.5	2.8	10.6	20.5	57.4	119.0	139.3	143.6	143.6	139.3	119.0	57.4	20.5	10.6	2.8	0.5
-40		2.0	8.1	18.1	30.4	54.7	99.2	134.7	134.7	99.2	54.7	30.4	18.1	8.1	2.0	
-50	0.3	1.0	4.7	12.2	23.3	33.8	42.6	47.9	47.9	42.6	33.8	23.3	12.2	4.7	1.0	0.3
-60		0.5	1.6	4.8	10.0	16.3	22.6	26.3	26.3	22.6	16.3	10.0	4.8	1.6	0.5	
-70	0.2	1.3	3.6	8.3	11.2	8.3	3.6	1.3	0.2	0.2						
-80		1.3	3.6	8.3	11.2	8.3	3.6	1.3	0.2							
-90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	

REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

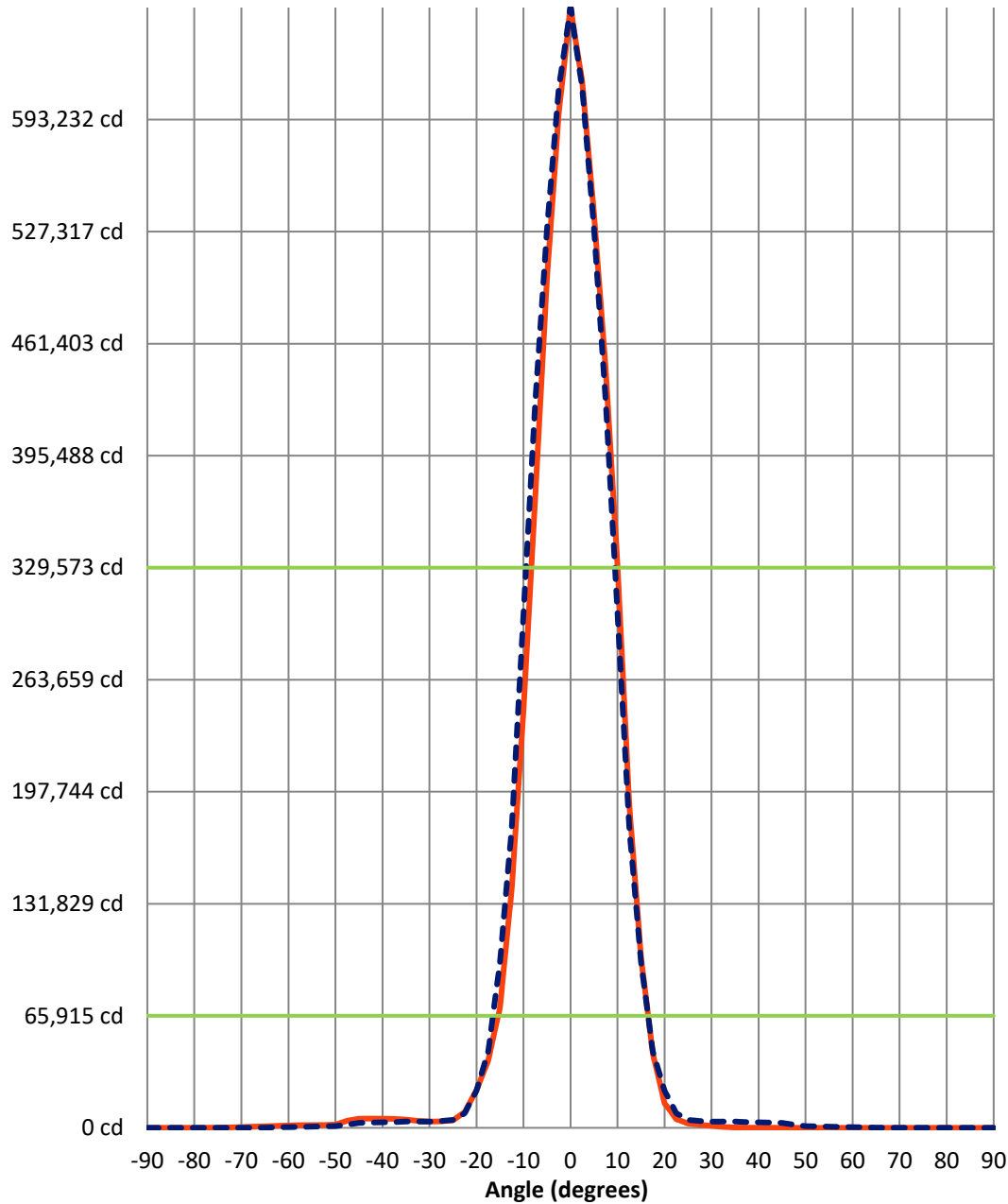
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 18.3°
Lumens: 37043.5
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 67281.1
Efficiency: 84.7%

Spill:
Lumens: 12114.1
Efficiency: 15.3%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.8	4.8	4.8	5.6	6.4	7.1	7.9	8.7	9.5	10.3	11.1
87.5°	4.8	4.8	4.8	4.5	4.1	3.9	3.6	3.6	3.5	3.4	3.2
85°	4.8	4.9	4.8	4.5	4.3	4.1	4.0	3.9	3.8	3.5	3.2
82.5°	4.8	4.9	4.8	4.6	4.4	4.4	4.4	4.3	4.1	3.9	3.7
80°	4.8	4.9	4.8	4.6	4.6	4.6	4.8	4.8	4.6	4.5	4.3
77.5°	4.8	5.0	4.8	4.7	4.7	4.9	5.3	5.3	5.2	5.1	4.9
75°	4.8	5.0	4.8	4.7	4.8	5.3	5.7	5.7	5.7	5.3	4.9
72.5°	4.8	5.1	4.8	4.8	5.1	5.6	6.1	6.1	5.7	5.4	5.0
70°	4.8	5.1	4.9	4.8	5.4	5.9	6.4	6.2	5.8	5.4	5.5
67.5°	4.8	5.1	4.9	5.0	5.6	6.2	6.4	6.2	5.8	6.0	6.2
65°	4.8	5.2	4.9	5.2	5.9	6.5	6.5	6.2	6.4	6.6	6.8
62.5°	4.8	5.2	5.0	5.4	6.1	6.6	6.6	6.6	6.9	7.2	7.0
60°	4.8	5.3	5.0	5.6	6.4	6.7	6.7	7.0	7.4	7.5	7.3
57.5°	4.8	5.3	5.2	5.8	6.5	6.8	7.0	7.5	7.9	7.9	7.9
55°	4.8	5.3	5.3	5.9	6.7	7.0	7.4	7.9	8.4	8.5	8.6
52.5°	4.8	5.4	5.5	6.1	6.9	7.2	7.8	8.4	8.9	9.1	9.3
50°	4.8	5.4	5.6	6.3	7.0	7.5	8.2	9.0	9.4	9.8	10.8
47.5°	4.8	5.5	5.8	6.4	7.2	7.8	8.6	9.5	10.0	10.5	12.3
45°	4.8	5.5	5.9	6.6	7.4	8.1	9.1	10.1	10.6	11.6	13.6
42.5°	4.8	5.6	6.1	6.7	7.6	8.4	9.6	10.6	11.2	12.7	16.1
40°	4.8	5.6	6.2	6.9	7.8	8.7	10.1	11.2	12.0	13.8	18.6
37.5°	4.8	5.7	6.3	7.1	8.0	9.0	10.7	11.7	13.0	15.3	21.0
35°	4.8	5.7	6.5	7.3	8.2	9.4	11.2	12.1	14.0	17.5	22.8
32.5°	4.8	5.8	6.6	7.5	8.4	9.8	11.7	12.6	15.1	19.7	24.7
30°	4.8	5.8	6.7	7.7	8.6	10.2	12.1	13.2	16.1	21.8	27.0
27.5°	4.8	5.9	6.9	7.9	8.9	10.7	12.5	14.1	17.4	23.8	29.6
25°	4.8	5.9	7.0	8.0	9.1	11.1	12.9	14.9	19.1	25.8	32.6
22.5°	4.8	6.0	7.1	8.2	9.4	11.5	13.3	15.7	20.6	28.1	37.2
20°	4.8	6.0	7.2	8.4	9.6	11.8	13.6	16.5	22.0	30.4	42.1
17.5°	4.8	6.1	7.3	8.6	9.8	12.0	13.9	17.3	23.4	32.9	47.3
15°	4.8	6.1	7.4	8.7	10.0	12.2	14.2	18.0	24.6	35.4	52.8
12.5°	4.8	6.2	7.5	8.9	10.2	12.4	14.5	18.6	25.7	37.9	58.3
10°	4.8	6.2	7.6	9.0	10.4	12.5	14.8	19.2	26.8	40.3	63.7
7.5°	4.8	6.3	7.7	9.1	10.6	12.6	15.1	19.6	27.8	42.5	69.0
5°	4.8	6.3	7.8	9.3	10.8	12.7	15.4	20.1	28.8	44.5	74.1
2.5°	4.8	6.4	7.8	9.4	11.0	12.7	15.7	20.4	29.5	46.2	78.7
0°	4.8	6.4	7.9	9.5	11.1	12.7	15.9	20.7	30.2	47.7	82.7
-2.5°	4.8	6.4	8.0	9.6	11.4	13.4	17.4	24.7	38.8	63.0	106.4
-5°	4.8	6.5	8.0	9.7	11.6	14.1	18.8	28.4	47.0	77.6	128.8
-7.5°	4.8	6.5	8.1	9.8	11.9	14.7	20.1	32.0	54.6	91.2	149.6
-10°	4.8	6.5	8.1	9.8	12.1	15.3	21.3	35.1	61.5	103.4	168.4
-12.5°	4.8	6.5	8.2	9.9	12.3	15.8	22.3	37.8	67.3	114.2	184.1
-15°	4.8	6.5	8.2	10.0	12.4	16.3	23.3	39.9	72.9	123.9	197.0
-17.5°	4.8	6.5	8.2	10.0	12.6	16.6	24.0	42.4	78.4	131.8	206.9
-20°	4.8	6.5	8.3	10.0	12.7	16.9	24.8	44.8	82.4	137.7	213.7



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	6.5	8.3	10.1	12.7	17.1	25.6	46.2	84.9	141.5	217.2
-25°	4.8	6.5	8.3	10.1	12.7	17.2	26.0	46.5	85.7	143.1	217.0
-27.5°	4.8	6.5	8.3	10.1	12.7	17.3	26.0	45.6	84.7	143.0	218.1
-30°	4.8	6.5	8.3	10.1	12.6	17.3	25.4	43.4	83.1	141.6	216.3
-32.5°	4.8	6.5	8.3	10.0	12.6	17.2	24.3	42.3	80.7	137.7	211.4
-35°	4.8	6.5	8.3	10.0	12.5	16.9	23.8	41.0	76.3	131.3	203.3
-37.5°	4.8	6.4	8.2	10.0	12.4	16.7	23.4	38.9	70.2	122.1	190.3
-40°	4.8	6.4	8.2	9.9	12.2	16.5	22.9	36.0	62.1	112.7	175.3
-42.5°	4.8	6.4	8.2	9.9	12.1	16.2	22.2	32.2	56.1	100.4	157.5
-45°	4.8	6.3	8.1	9.8	12.1	15.9	21.4	29.2	50.8	86.1	137.5
-47.5°	4.8	6.3	8.1	9.8	12.0	15.5	20.4	28.0	44.4	70.3	119.4
-50°	4.8	6.2	8.0	9.7	11.9	15.0	19.7	26.5	36.7	61.4	99.1
-52.5°	4.8	6.1	7.9	9.6	11.8	14.4	18.9	24.9	32.9	51.6	78.1
-55°	4.8	6.1	7.9	9.5	11.7	14.1	18.1	23.1	30.6	40.8	65.5
-57.5°	4.8	6.0	7.8	9.3	11.5	13.9	17.2	21.9	28.2	36.0	51.9
-60°	4.8	5.9	7.7	9.2	11.2	13.5	16.2	20.7	25.8	32.9	40.9
-62.5°	4.8	5.8	7.5	9.0	10.9	13.2	15.7	19.3	24.3	29.6	36.9
-65°	4.8	5.8	7.3	8.8	10.5	12.8	15.2	18.1	22.6	27.4	32.8
-67.5°	4.8	5.7	7.1	8.5	10.1	12.3	14.6	17.4	21.0	25.5	30.0
-70°	4.8	5.6	6.9	8.3	9.7	11.6	14.0	16.6	19.8	23.5	27.8
-72.5°	4.8	5.5	6.6	8.0	9.2	10.9	13.0	15.7	18.6	21.9	25.6
-75°	4.8	5.4	6.4	7.6	8.7	10.1	11.9	14.5	17.2	20.1	23.3
-77.5°	4.8	5.3	6.1	7.3	8.3	9.3	10.8	13.2	15.8	18.3	21.0
-80°	4.8	5.2	5.9	7.0	7.9	8.8	9.6	11.9	14.3	16.6	19.0
-82.5°	4.8	5.1	5.6	6.6	7.6	8.4	9.1	10.8	12.7	14.9	17.1
-85°	4.8	5.0	5.3	6.3	7.2	8.0	8.7	10.1	11.6	13.3	15.1
-87.5°	4.8	4.9	5.1	5.9	6.8	7.5	8.3	9.4	10.6	11.8	13.1
-90°	4.8	4.8	4.8	4.4	4.0	3.6	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.1	11.1	11.1	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9
87.5°	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.6	1.6	1.6	1.6
85°	3.2	3.2	3.2	3.2	2.9	2.6	2.4	2.3	2.2	2.0	1.8
82.5°	3.7	3.6	3.5	3.2	3.1	3.1	3.2	3.2	2.9	2.7	2.5
80°	4.3	4.1	3.8	3.7	3.7	3.7	3.5	3.3	3.2	3.3	3.5
77.5°	4.6	4.4	4.4	4.6	4.5	4.2	4.1	4.1	4.3	4.5	4.7
75°	4.7	4.8	4.9	4.9	4.7	4.7	4.8	5.1	5.3	5.3	5.2
72.5°	5.1	5.3	5.2	5.0	5.2	5.5	5.9	6.3	7.0	7.9	8.7
70°	5.7	5.8	5.7	5.8	6.1	6.7	8.1	9.8	11.6	13.6	16.5
67.5°	6.3	6.1	6.2	6.6	7.6	9.2	11.1	17.5	24.9	28.0	29.0
65°	6.4	6.3	7.0	8.0	9.4	14.4	21.5	30.1	38.2	39.2	37.8
62.5°	6.5	7.0	8.1	10.3	15.1	21.9	29.4	37.6	46.8	47.2	41.4
60°	7.1	7.8	10.2	14.8	20.3	26.4	34.7	41.3	48.9	52.5	40.1
57.5°	7.9	9.3	13.3	18.7	24.3	28.8	33.3	40.1	44.2	44.9	33.0
55°	9.2	11.3	16.4	22.6	26.6	25.6	29.2	33.0	34.6	32.2	23.0
52.5°	11.0	13.6	20.1	25.3	26.2	24.0	24.0	25.8	24.0	20.7	18.0
50°	12.8	17.6	23.5	26.8	26.0	22.9	19.4	19.0	18.3	17.2	15.5
47.5°	15.8	21.3	26.4	28.3	25.1	21.8	17.6	17.0	17.0	16.3	14.9
45°	19.0	24.3	29.4	27.5	24.5	21.2	19.5	17.5	17.5	17.7	18.6
42.5°	22.0	26.7	29.2	26.8	24.7	23.8	23.5	20.9	20.8	25.1	26.6
40°	24.0	28.7	29.2	28.8	26.6	28.8	29.5	29.7	31.0	35.7	37.9
37.5°	25.6	29.5	31.3	34.3	32.2	35.8	37.4	54.7	56.9	48.0	65.9
35°	26.9	30.9	38.9	47.6	50.4	44.8	67.6	91.4	99.7	94.3	114.5
32.5°	28.4	33.1	49.2	69.9	88.9	84.1	106.2	147.5	173.8	187.2	203.4
30°	31.3	42.7	65.3	98.4	147.2	176.6	178.3	222.1	270.5	356.6	434.3
27.5°	36.2	55.3	92.7	152.5	227.8	289.0	300.4	328.6	439.6	602.5	807.5
25°	41.9	86.0	124.1	225.9	336.8	405.7	425.8	473.8	666.4	1040.0	1242.5
22.5°	57.5	126.9	177.3	311.5	459.2	518.7	560.5	735.3	1083.0	1576.7	1728.9
20°	86.9	174.3	243.3	385.0	582.7	630.2	693.1	1068.1	1625.4	2036.6	2243.3
17.5°	121.7	222.1	309.3	457.6	631.6	719.5	852.5	1449.1	2185.6	2481.0	2696.0
15°	160.5	269.9	366.6	521.6	674.8	778.8	1102.3	1892.1	2659.5	2904.0	3114.4
12.5°	202.0	317.4	415.9	577.1	717.5	834.0	1329.6	2203.6	2887.4	3233.0	3504.1
10°	244.8	364.0	458.2	624.6	759.0	884.7	1542.5	2470.5	3002.6	3288.8	3588.0
7.5°	271.3	393.7	490.6	664.6	798.5	930.8	1735.4	2692.6	3081.9	3306.1	3527.8
5°	291.2	403.9	498.9	682.5	828.0	964.8	1880.7	2869.3	3132.3	3292.9	3423.0
2.5°	306.3	410.8	504.4	692.3	850.1	981.9	1894.4	2897.0	3116.9	3267.8	3357.5
0°	316.4	414.9	507.2	696.3	868.0	993.6	1866.4	2882.3	3082.7	3238.5	3343.4
-2.5°	327.5	427.0	530.1	708.6	869.6	994.0	1839.8	2853.7	3116.7	3325.9	3500.1
-5°	334.2	436.7	549.5	716.2	866.7	990.1	1779.9	2780.5	3112.4	3332.8	3546.3
-7.5°	337.3	444.1	564.6	718.4	854.4	971.1	1678.2	2605.8	2981.5	3187.6	3452.0
-10°	338.5	453.7	571.7	707.1	830.2	941.4	1542.6	2403.9	2846.2	3034.7	3312.7
-12.5°	341.7	465.1	576.2	696.0	805.6	908.5	1376.9	2182.7	2709.9	2875.8	3158.8
-15°	341.7	474.3	579.4	686.4	781.8	872.8	1182.3	1948.8	2635.4	2904.8	3137.5
-17.5°	338.9	481.3	581.8	679.6	759.8	834.6	967.1	1740.1	2588.4	2967.6	3197.1
-20°	333.4	486.2	583.9	676.9	741.4	816.8	922.1	1507.3	2349.7	2996.0	3276.2



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	325.6	489.0	585.7	674.7	747.4	818.7	907.3	1243.4	2017.9	2992.4	3278.6
-25°	321.9	475.3	585.5	674.4	756.3	822.3	889.8	992.4	1661.3	2566.6	3191.7
-27.5°	320.5	459.5	575.4	667.7	764.4	828.1	886.6	969.8	1320.2	2056.7	3013.7
-30°	314.3	433.6	560.8	654.5	756.4	834.9	892.4	945.1	1041.7	1617.3	2413.8
-32.5°	299.8	406.5	533.1	635.1	737.0	841.2	894.5	939.9	1011.1	1181.4	1828.4
-35°	282.9	384.9	500.3	610.3	710.0	819.6	891.1	938.8	985.6	1068.0	1361.2
-37.5°	267.7	360.2	466.8	577.8	677.9	780.8	883.5	933.9	981.0	1039.9	1151.5
-40°	249.4	332.2	435.2	540.7	640.8	739.9	839.5	927.0	974.3	1050.8	1124.5
-42.5°	228.4	308.7	401.3	502.6	598.4	695.6	793.1	886.8	984.9	1061.8	1135.4
-45°	205.4	282.1	365.3	457.4	551.5	646.3	740.9	838.4	956.8	1073.9	1147.7
-47.5°	179.0	252.1	331.3	407.5	498.1	591.0	683.8	785.9	903.2	1025.4	1157.2
-50°	151.3	218.8	291.1	361.0	438.1	528.5	619.6	722.3	832.7	951.0	1075.2
-52.5°	125.9	181.9	247.1	314.7	381.9	457.3	548.5	646.0	749.3	860.6	969.0
-55°	98.2	147.8	199.5	263.1	329.0	393.0	467.2	558.6	653.8	754.5	852.5
-57.5°	77.5	112.4	156.1	206.7	268.6	333.2	397.1	466.2	550.5	639.4	721.0
-60°	60.5	83.4	115.2	156.6	202.4	261.8	325.0	387.5	452.7	517.7	588.1
-62.5°	44.9	62.4	82.8	109.7	148.2	188.7	241.3	299.6	360.2	414.1	465.2
-65°	39.8	45.0	59.0	77.6	96.6	130.1	167.2	206.2	256.8	304.3	350.5
-67.5°	34.5	39.4	44.0	50.9	67.6	84.3	100.7	133.1	166.9	197.3	229.7
-70°	31.3	34.1	38.1	42.0	45.8	52.9	67.3	81.5	95.0	111.5	137.0
-72.5°	28.3	30.5	33.0	35.9	39.3	42.5	45.9	49.4	57.8	69.0	79.1
-75°	25.4	26.8	28.7	30.9	33.3	35.6	38.0	40.8	43.7	46.8	50.1
-77.5°	22.6	23.8	24.9	26.1	27.6	29.6	31.6	33.5	35.3	37.1	38.8
-80°	19.9	20.7	21.6	22.5	23.5	24.7	25.9	27.1	28.5	29.9	31.3
-82.5°	17.7	18.3	18.8	19.3	19.9	20.3	20.9	21.6	22.4	23.3	24.1
-85°	15.5	15.9	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.5	18.7
-87.5°	13.3	13.5	13.7	13.9	14.2	14.5	14.7	15.0	15.2	15.3	15.5
-90°	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.3	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.5	17.5	17.5
87.5°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	2.3	2.3	2.1	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	3.6	3.5	3.2	2.9	2.6	2.5	2.2	2.0	1.6	1.6	1.6
77.5°	4.8	4.5	4.1	3.7	3.3	3.1	3.0	2.9	2.9	3.0	3.1
75°	4.9	4.8	5.0	5.0	4.8	4.6	4.3	3.9	3.3	3.2	3.2
72.5°	9.4	9.8	9.6	9.4	8.7	8.0	7.7	7.4	7.0	6.9	6.8
70°	18.0	18.2	17.5	15.8	13.5	11.8	11.2	10.4	9.4	9.4	9.8
67.5°	27.5	25.1	22.9	20.3	17.0	14.8	14.0	13.1	12.2	11.8	11.8
65°	33.9	26.6	22.7	20.1	18.5	16.7	14.9	13.1	11.4	10.3	9.9
62.5°	33.5	23.4	18.9	16.8	15.2	14.0	12.2	10.6	9.2	8.4	8.2
60°	29.1	19.5	14.5	13.1	11.9	11.1	10.1	9.2	8.4	7.9	7.9
57.5°	22.7	15.1	11.1	10.9	10.5	9.8	9.2	8.8	8.3	7.9	8.3
55°	16.5	13.3	11.2	11.0	10.6	10.0	9.4	9.3	9.1	8.9	9.6
52.5°	14.3	13.0	12.5	12.2	11.5	11.1	11.0	11.0	11.1	11.4	11.7
50°	14.1	13.6	13.2	12.6	12.5	12.6	12.5	13.0	13.5	13.7	13.7
47.5°	14.7	14.5	15.0	14.1	14.4	15.4	15.7	16.0	17.2	17.4	17.4
45°	17.3	19.5	20.2	20.1	19.6	25.5	26.7	24.5	33.6	32.3	25.2
42.5°	26.6	29.5	31.3	37.1	45.6	51.1	66.0	90.6	81.0	61.0	39.4
40°	45.7	44.9	53.5	64.1	70.4	81.9	100.1	123.7	114.1	96.9	103.5
37.5°	80.5	81.5	84.4	98.2	103.3	90.5	117.3	115.3	97.8	125.1	128.3
35°	147.7	163.4	138.8	169.0	176.1	165.3	175.1	193.7	167.5	202.6	213.9
32.5°	265.8	292.9	293.9	301.0	326.0	350.2	357.0	407.2	423.4	465.7	511.2
30°	424.5	474.5	517.0	528.5	562.0	621.7	670.9	767.6	871.1	948.9	1051.1
27.5°	765.2	719.9	814.6	930.0	893.3	980.0	1157.5	1297.1	1503.4	1652.0	1732.1
25°	1237.6	1164.0	1336.7	1512.6	1513.0	1527.7	1784.5	2008.5	2177.3	2311.3	2428.9
22.5°	1795.2	1886.8	2041.7	2246.0	2139.5	2236.5	2491.5	2673.4	2909.9	3141.8	3836.4
20°	2420.1	2605.5	2733.0	2702.5	2697.8	2862.8	3087.1	3438.0	4153.6	6675.9	9084.7
17.5°	2970.6	3196.0	3184.8	3056.6	3117.3	3394.3	3801.4	5164.0	8778.6	16970.7	24637.4
15°	3397.6	3498.0	3431.9	3355.2	3491.2	3906.0	4924.2	9330.2	20299.1	33417.9	48391.9
12.5°	3682.8	3643.4	3470.0	3482.6	3805.7	4388.6	7849.1	18161.1	34021.7	52652.1	90299.5
10°	3793.1	3685.2	3533.4	3673.8	4114.6	5517.5	10557.0	25215.9	49195.2	87928.6	138672.4
7.5°	3718.0	3626.0	3583.3	3831.2	4417.9	7307.1	16410.3	35665.9	70517.1	120466.5	191875.8
5°	3669.4	3608.0	3617.2	3934.6	4609.6	8623.1	20547.2	42240.0	87469.7	151932.5	242780.7
2.5°	3666.6	3630.0	3646.2	4006.4	4717.7	9296.7	22877.6	43334.7	93424.6	169048.1	284432.7
0°	3705.9	3682.0	3667.7	4020.7	4666.1	8637.5	21949.0	45093.6	97509.9	176770.3	302528.1
-2.5°	3889.0	3693.8	3685.6	4019.9	4723.2	9127.8	22492.6	44486.2	96035.4	169633.3	283116.4
-5°	3845.1	3624.4	3589.3	3869.9	4526.5	8219.7	19691.5	41084.2	84357.1	144240.0	233354.4
-7.5°	3671.4	3523.9	3461.3	3684.7	4255.7	6899.1	15271.0	32436.4	63522.4	108722.8	168156.3
-10°	3530.1	3432.8	3340.2	3494.9	3928.9	5272.4	9735.1	21760.7	43208.5	73933.7	107970.2
-12.5°	3455.9	3409.8	3243.0	3286.2	3589.4	4185.3	6811.7	14708.7	27059.5	40146.9	65582.8
-15°	3403.3	3368.4	3212.1	3201.8	3371.2	3723.4	4487.4	7629.5	15131.9	24553.7	34650.0
-17.5°	3355.7	3343.0	3260.2	3170.3	3191.4	3395.6	3816.3	4932.0	7738.5	13727.3	20253.1
-20°	3378.7	3386.1	3322.8	3229.0	3195.5	3221.9	3440.5	3824.9	4535.8	6956.9	9913.4



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3371.4	3393.0	3376.1	3382.8	3342.5	3281.1	3237.8	3405.6	3674.6	4105.1	5198.6
-25°	3370.7	3400.4	3526.6	3688.3	3671.5	3524.9	3371.3	3238.3	3392.2	3578.2	3849.6
-27.5°	3320.8	3513.8	3828.1	4066.5	4134.8	3974.2	3759.3	3535.8	3511.2	3505.3	3609.7
-30°	3304.4	3719.1	4089.9	4429.7	4477.5	4396.5	4297.1	4137.8	3966.8	3872.1	3821.6
-32.5°	2805.8	3809.7	4263.1	4568.7	4644.4	4640.8	4663.2	4587.6	4534.2	4473.0	4386.6
-35°	2130.2	3183.7	4293.7	4434.6	4557.7	4667.5	4814.4	4852.0	4881.6	4915.4	4945.6
-37.5°	1487.5	2308.7	3231.0	4035.7	4291.4	4482.3	4742.6	4933.5	5092.4	5171.1	5265.7
-40°	1232.2	1459.2	2173.7	2853.8	3523.9	4142.0	4422.3	4747.6	5051.8	5220.9	5375.6
-42.5°	1206.9	1287.7	1373.5	1847.9	2415.1	2998.4	3571.5	4091.0	4644.6	5013.6	5285.2
-45°	1215.1	1255.9	1306.0	1389.2	1478.1	1923.3	2403.5	2893.7	3498.6	4089.6	4605.5
-47.5°	1214.1	1251.3	1291.0	1331.3	1384.3	1467.3	1552.6	1691.3	2120.3	2573.8	3012.7
-50°	1172.0	1247.7	1284.7	1322.4	1360.9	1402.0	1445.0	1505.9	1578.5	1646.5	1701.5
-52.5°	1065.8	1155.0	1240.7	1312.6	1347.9	1384.0	1422.2	1472.9	1520.6	1565.2	1588.4
-55°	945.8	1034.6	1121.4	1198.5	1271.3	1341.4	1406.5	1452.9	1500.5	1548.9	1568.7
-57.5°	807.8	897.4	983.5	1055.5	1128.1	1200.8	1268.2	1332.9	1397.5	1458.6	1492.8
-60°	661.0	735.8	812.9	886.7	957.3	1024.4	1087.2	1148.5	1207.2	1258.5	1290.9
-62.5°	516.7	575.7	640.8	704.8	766.7	826.7	884.5	939.7	991.8	1035.7	1066.2
-65°	395.5	439.5	484.4	530.5	577.7	629.2	677.8	723.8	766.9	802.5	829.1
-67.5°	268.7	306.7	343.0	377.2	411.8	448.2	485.1	519.8	552.1	578.3	599.0
-70°	161.5	185.2	208.3	232.9	260.7	287.2	313.2	337.9	360.9	378.8	392.3
-72.5°	88.0	96.6	108.0	126.9	144.4	160.5	175.4	188.8	200.8	210.7	218.9
-75°	53.5	57.9	64.8	71.6	78.0	84.2	90.1	95.5	100.4	104.6	108.0
-77.5°	40.9	43.3	45.5	47.6	49.6	51.7	53.8	55.7	57.5	59.1	60.6
-80°	32.7	34.0	35.3	36.5	37.7	39.0	40.3	41.6	42.9	43.8	44.6
-82.5°	25.0	26.2	27.4	28.5	29.5	30.3	31.0	31.7	32.4	33.1	33.7
-85°	19.0	19.8	20.7	21.7	22.6	22.9	23.1	23.3	23.5	24.0	24.5
-87.5°	15.6	16.0	16.5	16.9	17.3	17.8	18.2	18.6	19.0	19.5	19.9
-90°	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.1
87.5°	0.4	0.0	0.8	1.6	0.8	0.0	0.4	0.8	1.2	1.5	1.5
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
77.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9
75°	3.2	3.2	4.0	4.8	4.0	3.2	3.2	3.2	3.2	3.3	3.9
72.5°	6.6	6.3	6.4	6.4	6.4	6.3	6.6	6.8	6.9	7.0	7.4
70°	10.4	10.9	11.1	11.1	11.1	10.9	10.4	9.8	9.4	9.4	10.4
67.5°	11.5	11.2	9.6	7.9	9.6	11.2	11.5	11.8	11.8	12.2	13.1
65°	9.7	9.6	8.8	7.9	8.8	9.6	9.7	9.9	10.3	11.4	13.1
62.5°	8.1	8.0	7.9	7.9	7.9	8.0	8.1	8.2	8.4	9.2	10.6
60°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.4	9.2
57.5°	8.8	9.3	9.5	9.5	9.5	9.3	8.8	8.3	7.9	8.3	8.8
55°	10.2	10.8	11.1	11.1	11.1	10.8	10.2	9.6	8.9	9.1	9.3
52.5°	11.6	11.3	11.7	12.7	11.7	11.3	11.6	11.7	11.4	11.1	11.0
50°	13.9	14.1	14.3	14.3	14.3	14.1	13.9	13.7	13.7	13.5	13.0
47.5°	17.6	17.5	17.4	17.5	17.4	17.5	17.6	17.4	17.4	17.2	16.0
45°	26.0	26.5	27.3	28.6	27.3	26.5	26.0	25.2	32.3	33.6	24.5
42.5°	41.2	42.1	42.5	42.9	42.5	42.1	41.2	39.4	61.0	81.0	90.6
40°	98.1	78.0	58.4	58.8	58.4	78.0	98.1	103.5	96.9	114.1	123.7
37.5°	112.8	102.6	98.5	97.0	98.5	102.6	112.8	128.3	125.1	97.8	115.3
35°	213.5	217.3	212.4	214.6	212.4	217.3	213.5	213.9	202.6	167.5	193.7
32.5°	525.8	547.1	539.6	542.1	539.6	547.1	525.8	511.2	465.7	423.4	407.2
30°	1092.3	1157.8	1172.7	1168.5	1172.7	1157.8	1092.3	1051.1	948.9	871.1	767.6
27.5°	1764.4	1816.4	1827.1	1817.2	1827.1	1816.4	1764.4	1732.1	1652.0	1503.4	1297.1
25°	2493.8	2543.4	2571.4	2558.0	2571.4	2543.4	2493.8	2428.9	2311.3	2177.3	2008.5
22.5°	4640.8	4866.1	4975.9	5125.6	4975.9	4866.1	4640.8	3836.4	3141.8	2909.9	2673.4
20°	13686.5	15242.3	14947.5	14626.3	14947.5	15242.3	13686.5	9084.7	6675.9	4153.6	3438.0
17.5°	34163.3	41813.0	45455.6	43972.8	45455.6	41813.0	34163.3	24637.4	16970.7	8778.6	5164.0
15°	69873.9	91247.3	103744.1	100408.1	103744.1	91247.3	69873.9	48391.9	33417.9	20299.1	9330.2
12.5°	126577.2	160545.9	186569.0	190294.1	186569.0	160545.9	126577.2	90299.5	52652.1	34021.7	18161.1
10°	199062.6	261833.5	313563.3	330453.3	313563.3	261833.5	199062.6	138672.4	87928.6	49195.2	25215.9
7.5°	285461.5	369256.5	428915.6	445498.1	428915.6	369256.5	285461.5	191875.8	120466.5	70517.1	35665.9
5°	354754.8	451191.6	517257.0	537549.3	517257.0	451191.6	354754.8	242780.7	151932.5	87469.7	42240.0
2.5°	406657.4	507810.6	581480.7	615142.8	581480.7	507810.6	406657.4	284432.7	169048.1	93424.6	43334.7
0°	426763.6	528697.2	611307.3	659146.6	611307.3	528697.2	426763.6	302528.1	176770.3	97509.9	45093.6
-2.5°	407095.2	501864.8	565480.1	596850.3	565480.1	501864.8	407095.2	283116.4	169633.3	96035.4	44486.2
-5°	338919.8	422778.5	477638.0	499784.8	477638.0	422778.5	338919.8	233354.4	144240.0	84357.1	41084.2
-7.5°	242844.3	311682.2	352573.8	371234.4	352573.8	311682.2	242844.3	168156.3	108722.8	63522.4	32436.4
-10°	157773.6	195876.3	237106.1	245930.6	237106.1	195876.3	157773.6	107970.2	73933.7	43208.5	21760.7
-12.5°	88885.7	112929.1	133420.4	140815.7	133420.4	112929.1	88885.7	65582.8	40146.9	27059.5	14708.7
-15°	48090.1	61789.0	69170.1	70985.4	69170.1	61789.0	48090.1	34650.0	24553.7	15131.9	7629.5
-17.5°	27610.1	34190.7	37956.2	39685.0	37956.2	34190.7	27610.1	20253.1	13727.3	7738.5	4932.0
-20°	14754.1	18467.3	20587.4	22147.8	20587.4	18467.3	14754.1	9913.4	6956.9	4535.8	3824.9



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6776.8	7921.2	8567.9	9298.8	8567.9	7921.2	6776.8	5198.6	4105.1	3674.6	3405.6
-25°	4085.2	4239.2	4332.1	4407.0	4332.1	4239.2	4085.2	3849.6	3578.2	3392.2	3238.3
-27.5°	3699.3	3749.7	3778.9	3809.2	3778.9	3749.7	3699.3	3609.7	3505.3	3511.2	3535.8
-30°	3778.2	3727.1	3709.3	3690.0	3709.3	3727.1	3778.2	3821.6	3872.1	3966.8	4137.8
-32.5°	4299.6	4200.4	4147.1	4097.0	4147.1	4200.4	4299.6	4386.6	4473.0	4534.2	4587.6
-35°	4934.0	4889.3	4865.8	4836.2	4865.8	4889.3	4934.0	4945.6	4915.4	4881.6	4852.0
-37.5°	5281.6	5273.8	5272.4	5257.5	5272.4	5273.8	5281.6	5265.7	5171.1	5092.4	4933.5
-40°	5393.5	5390.3	5382.6	5375.2	5382.6	5390.3	5393.5	5375.6	5220.9	5051.8	4747.6
-42.5°	5357.5	5405.4	5428.4	5429.2	5428.4	5405.4	5357.5	5285.2	5013.6	4644.6	4091.0
-45°	4934.2	5178.7	5320.9	5359.3	5320.9	5178.7	4934.2	4605.5	4089.6	3498.6	2893.7
-47.5°	3403.5	3748.4	4014.1	4181.2	4014.1	3748.4	3403.5	3012.7	2573.8	2120.3	1691.3
-50°	1749.5	1794.4	1839.7	1883.9	1839.7	1794.4	1749.5	1701.5	1646.5	1578.5	1505.9
-52.5°	1607.0	1625.7	1637.4	1643.9	1637.4	1625.7	1607.0	1588.4	1565.2	1520.6	1472.9
-55°	1586.7	1604.0	1612.6	1615.3	1612.6	1604.0	1586.7	1568.7	1548.9	1500.5	1452.9
-57.5°	1522.1	1546.5	1560.9	1567.6	1560.9	1546.5	1522.1	1492.8	1458.6	1397.5	1332.9
-60°	1317.9	1339.4	1354.0	1362.5	1354.0	1339.4	1317.9	1290.9	1258.5	1207.2	1148.5
-62.5°	1091.5	1111.5	1122.7	1127.2	1122.7	1111.5	1091.5	1066.2	1035.7	991.8	939.7
-65°	851.1	868.5	886.0	899.8	886.0	868.5	851.1	829.1	802.5	766.9	723.8
-67.5°	616.5	630.4	645.8	658.2	645.8	630.4	616.5	599.0	578.3	552.1	519.8
-70°	403.0	410.6	423.2	434.0	423.2	410.6	403.0	392.3	378.8	360.9	337.9
-72.5°	225.4	230.3	239.6	248.0	239.6	230.3	225.4	218.9	210.7	200.8	188.8
-75°	110.9	113.3	114.2	114.5	114.2	113.3	110.9	108.0	104.6	100.4	95.5
-77.5°	62.0	63.2	63.5	63.6	63.5	63.2	62.0	60.6	59.1	57.5	55.7
-80°	45.3	45.9	46.8	47.7	46.8	45.9	45.3	44.6	43.8	42.9	41.6
-82.5°	34.3	34.9	35.0	35.0	35.0	34.9	34.3	33.7	33.1	32.4	31.7
-85°	24.9	25.4	25.4	25.4	25.4	25.4	24.9	24.5	24.0	23.5	23.3
-87.5°	20.3	20.7	20.7	20.7	20.7	20.7	20.3	19.9	19.5	19.0	18.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.7	16.3	15.9	15.5	15.1	14.7	14.3	13.9	13.5	13.1	12.7
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	2.0	2.2	2.3
82.5°	1.6	1.6	1.6	1.9	2.1	2.3	2.3	2.5	2.7	2.9	3.2
80°	2.2	2.5	2.6	2.9	3.2	3.5	3.6	3.5	3.3	3.2	3.3
77.5°	3.0	3.1	3.3	3.7	4.1	4.5	4.8	4.7	4.5	4.3	4.1
75°	4.3	4.6	4.8	5.0	5.0	4.8	4.9	5.2	5.3	5.3	5.1
72.5°	7.7	8.0	8.7	9.4	9.6	9.8	9.4	8.7	7.9	7.0	6.3
70°	11.2	11.8	13.5	15.8	17.5	18.2	18.0	16.5	13.6	11.6	9.8
67.5°	14.0	14.8	17.0	20.3	22.9	25.1	27.5	29.0	28.0	24.9	17.5
65°	14.9	16.7	18.5	20.1	22.7	26.6	33.9	37.8	39.2	38.2	30.1
62.5°	12.2	14.0	15.2	16.8	18.9	23.4	33.5	41.4	47.2	46.8	37.6
60°	10.1	11.1	11.9	13.1	14.5	19.5	29.1	40.1	52.5	48.9	41.3
57.5°	9.2	9.8	10.5	10.9	11.1	15.1	22.7	33.0	44.9	44.2	40.1
55°	9.4	10.0	10.6	11.0	11.2	13.3	16.5	23.0	32.2	34.6	33.0
52.5°	11.0	11.1	11.5	12.2	12.5	13.0	14.3	18.0	20.7	24.0	25.8
50°	12.5	12.6	12.5	12.6	13.2	13.6	14.1	15.5	17.2	18.3	19.0
47.5°	15.7	15.4	14.4	14.1	15.0	14.5	14.7	14.9	16.3	17.0	17.0
45°	26.7	25.5	19.6	20.1	20.2	19.5	17.3	18.6	17.7	17.5	17.5
42.5°	66.0	51.1	45.6	37.1	31.3	29.5	26.6	26.6	25.1	20.8	20.9
40°	100.1	81.9	70.4	64.1	53.5	44.9	45.7	37.9	35.7	31.0	29.7
37.5°	117.3	90.5	103.3	98.2	84.4	81.5	80.5	65.9	48.0	56.9	54.7
35°	175.1	165.3	176.1	169.0	138.8	163.4	147.7	114.5	94.3	99.7	91.4
32.5°	357.0	350.2	326.0	301.0	293.9	292.9	265.8	203.4	187.2	173.8	147.5
30°	670.9	621.7	562.0	528.5	517.0	474.5	424.5	434.3	356.6	270.5	222.1
27.5°	1157.5	980.0	893.3	930.0	814.6	719.9	765.2	807.5	602.5	439.6	328.6
25°	1784.5	1527.7	1513.0	1512.6	1336.7	1164.0	1237.6	1242.5	1040.0	666.4	473.8
22.5°	2491.5	2236.5	2139.5	2246.0	2041.7	1886.8	1795.2	1728.9	1576.7	1083.0	735.3
20°	3087.1	2862.8	2697.8	2702.5	2733.0	2605.5	2420.1	2243.3	2036.6	1625.4	1068.1
17.5°	3801.4	3394.3	3117.3	3056.6	3184.8	3196.0	2970.6	2696.0	2481.0	2185.6	1449.1
15°	4924.2	3906.0	3491.2	3355.2	3431.9	3498.0	3397.6	3114.4	2904.0	2659.5	1892.1
12.5°	7849.1	4388.6	3805.7	3482.6	3470.0	3643.4	3682.8	3504.1	3233.0	2887.4	2203.6
10°	10557.0	5517.5	4114.6	3673.8	3533.4	3685.2	3793.1	3588.0	3288.8	3002.6	2470.5
7.5°	16410.3	7307.1	4417.9	3831.2	3583.3	3626.0	3718.0	3527.8	3306.1	3081.9	2692.6
5°	20547.2	8623.1	4609.6	3934.6	3617.2	3608.0	3669.4	3423.0	3292.9	3132.3	2869.3
2.5°	22877.6	9296.7	4717.7	4006.4	3646.2	3630.0	3666.6	3357.5	3267.8	3116.9	2897.0
0°	21949.0	8637.5	4666.1	4020.7	3667.7	3682.0	3705.9	3343.4	3238.5	3082.7	2882.3
-2.5°	22492.6	9127.8	4723.2	4019.9	3685.6	3693.8	3889.0	3500.1	3325.9	3116.7	2853.7
-5°	19691.5	8219.7	4526.5	3869.9	3589.3	3624.4	3845.1	3546.3	3332.8	3112.4	2780.5
-7.5°	15271.0	6899.1	4255.7	3684.7	3461.3	3523.9	3671.4	3452.0	3187.6	2981.5	2605.8
-10°	9735.1	5272.4	3928.9	3494.9	3340.2	3432.8	3530.1	3312.7	3034.7	2846.2	2403.9
-12.5°	6811.7	4185.3	3589.4	3286.2	3243.0	3409.8	3455.9	3158.8	2875.8	2709.9	2182.7
-15°	4487.4	3723.4	3371.2	3201.8	3212.1	3368.4	3403.3	3137.5	2904.8	2635.4	1948.8
-17.5°	3816.3	3395.6	3191.4	3170.3	3260.2	3343.0	3355.7	3197.1	2967.6	2588.4	1740.1
-20°	3440.5	3221.9	3195.5	3229.0	3322.8	3386.1	3378.7	3276.2	2996.0	2349.7	1507.3



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3237.8	3281.1	3342.5	3382.8	3376.1	3393.0	3371.4	3278.6	2992.4	2017.9	1243.4
-25°	3371.3	3524.9	3671.5	3688.3	3526.6	3400.4	3370.7	3191.7	2566.6	1661.3	992.4
-27.5°	3759.3	3974.2	4134.8	4066.5	3828.1	3513.8	3320.8	3013.7	2056.7	1320.2	969.8
-30°	4297.1	4396.5	4477.5	4429.7	4089.9	3719.1	3304.4	2413.8	1617.3	1041.7	945.1
-32.5°	4663.2	4640.8	4644.4	4568.7	4263.1	3809.7	2805.8	1828.4	1181.4	1011.1	939.9
-35°	4814.4	4667.5	4557.7	4434.6	4293.7	3183.7	2130.2	1361.2	1068.0	985.6	938.8
-37.5°	4742.6	4482.3	4291.4	4035.7	3231.0	2308.7	1487.5	1151.5	1039.9	981.0	933.9
-40°	4422.3	4142.0	3523.9	2853.8	2173.7	1459.2	1232.2	1124.5	1050.8	974.3	927.0
-42.5°	3571.5	2998.4	2415.1	1847.9	1373.5	1287.7	1206.9	1135.4	1061.8	984.9	886.8
-45°	2403.5	1923.3	1478.1	1389.2	1306.0	1255.9	1215.1	1147.7	1073.9	956.8	838.4
-47.5°	1552.6	1467.3	1384.3	1331.3	1291.0	1251.3	1214.1	1157.2	1025.4	903.2	785.9
-50°	1445.0	1402.0	1360.9	1322.4	1284.7	1247.7	1172.0	1075.2	951.0	832.7	722.3
-52.5°	1422.2	1384.0	1347.9	1312.6	1240.7	1155.0	1065.8	969.0	860.6	749.3	646.0
-55°	1406.5	1341.4	1271.3	1198.5	1121.4	1034.6	945.8	852.5	754.5	653.8	558.6
-57.5°	1268.2	1200.8	1128.1	1055.5	983.5	897.4	807.8	721.0	639.4	550.5	466.2
-60°	1087.2	1024.4	957.3	886.7	812.9	735.8	661.0	588.1	517.7	452.7	387.5
-62.5°	884.5	826.7	766.7	704.8	640.8	575.7	516.7	465.2	414.1	360.2	299.6
-65°	677.8	629.2	577.7	530.5	484.4	439.5	395.5	350.5	304.3	256.8	206.2
-67.5°	485.1	448.2	411.8	377.2	343.0	306.7	268.7	229.7	197.3	166.9	133.1
-70°	313.2	287.2	260.7	232.9	208.3	185.2	161.5	137.0	111.5	95.0	81.5
-72.5°	175.4	160.5	144.4	126.9	108.0	96.6	88.0	79.1	69.0	57.8	49.4
-75°	90.1	84.2	78.0	71.6	64.8	57.9	53.5	50.1	46.8	43.7	40.8
-77.5°	53.8	51.7	49.6	47.6	45.5	43.3	40.9	38.8	37.1	35.3	33.5
-80°	40.3	39.0	37.7	36.5	35.3	34.0	32.7	31.3	29.9	28.5	27.1
-82.5°	31.0	30.3	29.5	28.5	27.4	26.2	25.0	24.1	23.3	22.4	21.6
-85°	23.1	22.9	22.6	21.7	20.7	19.8	19.0	18.7	18.5	18.2	17.9
-87.5°	18.2	17.8	17.3	16.9	16.5	16.0	15.6	15.5	15.3	15.2	15.0
-90°	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12.3	11.9	11.5	11.1	11.1	11.1	11.1	11.1	10.3	9.5	8.7
87.5°	1.9	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.6
85°	2.4	2.6	2.9	3.2	3.2	3.2	3.2	3.2	3.5	3.8	3.9
82.5°	3.2	3.1	3.1	3.2	3.5	3.6	3.7	3.7	3.9	4.1	4.3
80°	3.5	3.7	3.7	3.7	3.8	4.1	4.3	4.3	4.5	4.6	4.8
77.5°	4.1	4.2	4.5	4.6	4.4	4.4	4.6	4.9	5.1	5.2	5.3
75°	4.8	4.7	4.7	4.9	4.9	4.8	4.7	4.9	5.3	5.7	5.7
72.5°	5.9	5.5	5.2	5.0	5.2	5.3	5.1	5.0	5.4	5.7	6.1
70°	8.1	6.7	6.1	5.8	5.7	5.8	5.7	5.5	5.4	5.8	6.2
67.5°	11.1	9.2	7.6	6.6	6.2	6.1	6.3	6.2	6.0	5.8	6.2
65°	21.5	14.4	9.4	8.0	7.0	6.3	6.4	6.8	6.6	6.4	6.2
62.5°	29.4	21.9	15.1	10.3	8.1	7.0	6.5	7.0	7.2	6.9	6.6
60°	34.7	26.4	20.3	14.8	10.2	7.8	7.1	7.3	7.5	7.4	7.0
57.5°	33.3	28.8	24.3	18.7	13.3	9.3	7.9	7.9	7.9	7.9	7.5
55°	29.2	25.6	26.6	22.6	16.4	11.3	9.2	8.6	8.5	8.4	7.9
52.5°	24.0	24.0	26.2	25.3	20.1	13.6	11.0	9.3	9.1	8.9	8.4
50°	19.4	22.9	26.0	26.8	23.5	17.6	12.8	10.8	9.8	9.4	9.0
47.5°	17.6	21.8	25.1	28.3	26.4	21.3	15.8	12.3	10.5	10.0	9.5
45°	19.5	21.2	24.5	27.5	29.4	24.3	19.0	13.6	11.6	10.6	10.1
42.5°	23.5	23.8	24.7	26.8	29.2	26.7	22.0	16.1	12.7	11.2	10.6
40°	29.5	28.8	26.6	28.8	29.2	28.7	24.0	18.6	13.8	12.0	11.2
37.5°	37.4	35.8	32.2	34.3	31.3	29.5	25.6	21.0	15.3	13.0	11.7
35°	67.6	44.8	50.4	47.6	38.9	30.9	26.9	22.8	17.5	14.0	12.1
32.5°	106.2	84.1	88.9	69.9	49.2	33.1	28.4	24.7	19.7	15.1	12.6
30°	178.3	176.6	147.2	98.4	65.3	42.7	31.3	27.0	21.8	16.1	13.2
27.5°	300.4	289.0	227.8	152.5	92.7	55.3	36.2	29.6	23.8	17.4	14.1
25°	425.8	405.7	336.8	225.9	124.1	86.0	41.9	32.6	25.8	19.1	14.9
22.5°	560.5	518.7	459.2	311.5	177.3	126.9	57.5	37.2	28.1	20.6	15.7
20°	693.1	630.2	582.7	385.0	243.3	174.3	86.9	42.1	30.4	22.0	16.5
17.5°	852.5	719.5	631.6	457.6	309.3	222.1	121.7	47.3	32.9	23.4	17.3
15°	1102.3	778.8	674.8	521.6	366.6	269.9	160.5	52.8	35.4	24.6	18.0
12.5°	1329.6	834.0	717.5	577.1	415.9	317.4	202.0	58.3	37.9	25.7	18.6
10°	1542.5	884.7	759.0	624.6	458.2	364.0	244.8	63.7	40.3	26.8	19.2
7.5°	1735.4	930.8	798.5	664.6	490.6	393.7	271.3	69.0	42.5	27.8	19.6
5°	1880.7	964.8	828.0	682.5	498.9	403.9	291.2	74.1	44.5	28.8	20.1
2.5°	1894.4	981.9	850.1	692.3	504.4	410.8	306.3	78.7	46.2	29.5	20.4
0°	1866.4	993.6	868.0	696.3	507.2	414.9	316.4	82.7	47.7	30.2	20.7
-2.5°	1839.8	994.0	869.6	708.6	530.1	427.0	327.5	106.4	63.0	38.8	24.7
-5°	1779.9	990.1	866.7	716.2	549.5	436.7	334.2	128.8	77.6	47.0	28.4
-7.5°	1678.2	971.1	854.4	718.4	564.6	444.1	337.3	149.6	91.2	54.6	32.0
-10°	1542.6	941.4	830.2	707.1	571.7	453.7	338.5	168.4	103.4	61.5	35.1
-12.5°	1376.9	908.5	805.6	696.0	576.2	465.1	341.7	184.1	114.2	67.3	37.8
-15°	1182.3	872.8	781.8	686.4	579.4	474.3	341.7	197.0	123.9	72.9	39.9
-17.5°	967.1	834.6	759.8	679.6	581.8	481.3	338.9	206.9	131.8	78.4	42.4
-20°	922.1	816.8	741.4	676.9	583.9	486.2	333.4	213.7	137.7	82.4	44.8



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	907.3	818.7	747.4	674.7	585.7	489.0	325.6	217.2	141.5	84.9	46.2
-25°	889.8	822.3	756.3	674.4	585.5	475.3	321.9	217.0	143.1	85.7	46.5
-27.5°	886.6	828.1	764.4	667.7	575.4	459.5	320.5	218.1	143.0	84.7	45.6
-30°	892.4	834.9	756.4	654.5	560.8	433.6	314.3	216.3	141.6	83.1	43.4
-32.5°	894.5	841.2	737.0	635.1	533.1	406.5	299.8	211.4	137.7	80.7	42.3
-35°	891.1	819.6	710.0	610.3	500.3	384.9	282.9	203.3	131.3	76.3	41.0
-37.5°	883.5	780.8	677.9	577.8	466.8	360.2	267.7	190.3	122.1	70.2	38.9
-40°	839.5	739.9	640.8	540.7	435.2	332.2	249.4	175.3	112.7	62.1	36.0
-42.5°	793.1	695.6	598.4	502.6	401.3	308.7	228.4	157.5	100.4	56.1	32.2
-45°	740.9	646.3	551.5	457.4	365.3	282.1	205.4	137.5	86.1	50.8	29.2
-47.5°	683.8	591.0	498.1	407.5	331.3	252.1	179.0	119.4	70.3	44.4	28.0
-50°	619.6	528.5	438.1	361.0	291.1	218.8	151.3	99.1	61.4	36.7	26.5
-52.5°	548.5	457.3	381.9	314.7	247.1	181.9	125.9	78.1	51.6	32.9	24.9
-55°	467.2	393.0	329.0	263.1	199.5	147.8	98.2	65.5	40.8	30.6	23.1
-57.5°	397.1	333.2	268.6	206.7	156.1	112.4	77.5	51.9	36.0	28.2	21.9
-60°	325.0	261.8	202.4	156.6	115.2	83.4	60.5	40.9	32.9	25.8	20.7
-62.5°	241.3	188.7	148.2	109.7	82.8	62.4	44.9	36.9	29.6	24.3	19.3
-65°	167.2	130.1	96.6	77.6	59.0	45.0	39.8	32.8	27.4	22.6	18.1
-67.5°	100.7	84.3	67.6	50.9	44.0	39.4	34.5	30.0	25.5	21.0	17.4
-70°	67.3	52.9	45.8	42.0	38.1	34.1	31.3	27.8	23.5	19.8	16.6
-72.5°	45.9	42.5	39.3	35.9	33.0	30.5	28.3	25.6	21.9	18.6	15.7
-75°	38.0	35.6	33.3	30.9	28.7	26.8	25.4	23.3	20.1	17.2	14.5
-77.5°	31.6	29.6	27.6	26.1	24.9	23.8	22.6	21.0	18.3	15.8	13.2
-80°	25.9	24.7	23.5	22.5	21.6	20.7	19.9	19.0	16.6	14.3	11.9
-82.5°	20.9	20.3	19.9	19.3	18.8	18.3	17.7	17.1	14.9	12.7	10.8
-85°	17.6	17.3	16.9	16.6	16.3	15.9	15.5	15.1	13.3	11.6	10.1
-87.5°	14.7	14.5	14.2	13.9	13.7	13.5	13.3	13.1	11.8	10.6	9.4
-90°	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.2	3.2	3.2



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.1	6.4	5.6	4.8	4.8	4.8
87.5°	3.6	3.9	4.1	4.5	4.8	4.8	4.8
85°	4.0	4.1	4.3	4.5	4.8	4.9	4.8
82.5°	4.4	4.4	4.4	4.6	4.8	4.9	4.8
80°	4.8	4.6	4.6	4.6	4.8	4.9	4.8
77.5°	5.3	4.9	4.7	4.7	4.8	5.0	4.8
75°	5.7	5.3	4.8	4.7	4.8	5.0	4.8
72.5°	6.1	5.6	5.1	4.8	4.8	5.1	4.8
70°	6.4	5.9	5.4	4.8	4.9	5.1	4.8
67.5°	6.4	6.2	5.6	5.0	4.9	5.1	4.8
65°	6.5	6.5	5.9	5.2	4.9	5.2	4.8
62.5°	6.6	6.6	6.1	5.4	5.0	5.2	4.8
60°	6.7	6.7	6.4	5.6	5.0	5.3	4.8
57.5°	7.0	6.8	6.5	5.8	5.2	5.3	4.8
55°	7.4	7.0	6.7	5.9	5.3	5.3	4.8
52.5°	7.8	7.2	6.9	6.1	5.5	5.4	4.8
50°	8.2	7.5	7.0	6.3	5.6	5.4	4.8
47.5°	8.6	7.8	7.2	6.4	5.8	5.5	4.8
45°	9.1	8.1	7.4	6.6	5.9	5.5	4.8
42.5°	9.6	8.4	7.6	6.7	6.1	5.6	4.8
40°	10.1	8.7	7.8	6.9	6.2	5.6	4.8
37.5°	10.7	9.0	8.0	7.1	6.3	5.7	4.8
35°	11.2	9.4	8.2	7.3	6.5	5.7	4.8
32.5°	11.7	9.8	8.4	7.5	6.6	5.8	4.8
30°	12.1	10.2	8.6	7.7	6.7	5.8	4.8
27.5°	12.5	10.7	8.9	7.9	6.9	5.9	4.8
25°	12.9	11.1	9.1	8.0	7.0	5.9	4.8
22.5°	13.3	11.5	9.4	8.2	7.1	6.0	4.8
20°	13.6	11.8	9.6	8.4	7.2	6.0	4.8
17.5°	13.9	12.0	9.8	8.6	7.3	6.1	4.8
15°	14.2	12.2	10.0	8.7	7.4	6.1	4.8
12.5°	14.5	12.4	10.2	8.9	7.5	6.2	4.8
10°	14.8	12.5	10.4	9.0	7.6	6.2	4.8
7.5°	15.1	12.6	10.6	9.1	7.7	6.3	4.8
5°	15.4	12.7	10.8	9.3	7.8	6.3	4.8
2.5°	15.7	12.7	11.0	9.4	7.8	6.4	4.8
0°	15.9	12.7	11.1	9.5	7.9	6.4	4.8
-2.5°	17.4	13.4	11.4	9.6	8.0	6.4	4.8
-5°	18.8	14.1	11.6	9.7	8.0	6.5	4.8
-7.5°	20.1	14.7	11.9	9.8	8.1	6.5	4.8
-10°	21.3	15.3	12.1	9.8	8.1	6.5	4.8
-12.5°	22.3	15.8	12.3	9.9	8.2	6.5	4.8
-15°	23.3	16.3	12.4	10.0	8.2	6.5	4.8
-17.5°	24.0	16.6	12.6	10.0	8.2	6.5	4.8
-20°	24.8	16.9	12.7	10.0	8.3	6.5	4.8



REPORT NUMBER: P701699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.6	17.1	12.7	10.1	8.3	6.5	4.8
-25°	26.0	17.2	12.7	10.1	8.3	6.5	4.8
-27.5°	26.0	17.3	12.7	10.1	8.3	6.5	4.8
-30°	25.4	17.3	12.6	10.1	8.3	6.5	4.8
-32.5°	24.3	17.2	12.6	10.0	8.3	6.5	4.8
-35°	23.8	16.9	12.5	10.0	8.3	6.5	4.8
-37.5°	23.4	16.7	12.4	10.0	8.2	6.4	4.8
-40°	22.9	16.5	12.2	9.9	8.2	6.4	4.8
-42.5°	22.2	16.2	12.1	9.9	8.2	6.4	4.8
-45°	21.4	15.9	12.1	9.8	8.1	6.3	4.8
-47.5°	20.4	15.5	12.0	9.8	8.1	6.3	4.8
-50°	19.7	15.0	11.9	9.7	8.0	6.2	4.8
-52.5°	18.9	14.4	11.8	9.6	7.9	6.1	4.8
-55°	18.1	14.1	11.7	9.5	7.9	6.1	4.8
-57.5°	17.2	13.9	11.5	9.3	7.8	6.0	4.8
-60°	16.2	13.5	11.2	9.2	7.7	5.9	4.8
-62.5°	15.7	13.2	10.9	9.0	7.5	5.8	4.8
-65°	15.2	12.8	10.5	8.8	7.3	5.8	4.8
-67.5°	14.6	12.3	10.1	8.5	7.1	5.7	4.8
-70°	14.0	11.6	9.7	8.3	6.9	5.6	4.8
-72.5°	13.0	10.9	9.2	8.0	6.6	5.5	4.8
-75°	11.9	10.1	8.7	7.6	6.4	5.4	4.8
-77.5°	10.8	9.3	8.3	7.3	6.1	5.3	4.8
-80°	9.6	8.8	7.9	7.0	5.9	5.2	4.8
-82.5°	9.1	8.4	7.6	6.6	5.6	5.1	4.8
-85°	8.7	8.0	7.2	6.3	5.3	5.0	4.8
-87.5°	8.3	7.5	6.8	5.9	5.1	4.9	4.8
-90°	3.2	3.6	4.0	4.4	4.8	4.8	4.8

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

